the automatic ALSTEEL *Class "A"* FIRE DOOR

ST. LOUIS

FIRE DOORS

ABSOLUTE

FIRE PROTECTION

AT LOWEST COST

INDUSTRIAL DOORS

SLIDING

SWINGING

TELESCOPING

TURNOVER

OVERHEAD

ELEVATOR DOORS

FREIGHT

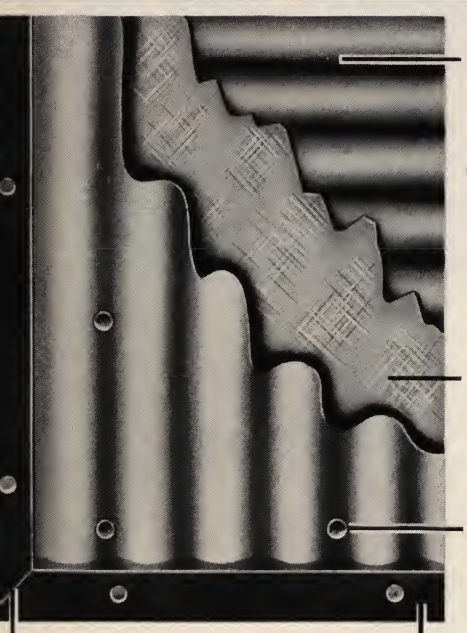
DUMBWAITER

ST. LOUIS FIRE DOOR COMPANY, INC.

Since 1902

ST. LOUIS
FIRE DOOR COMPANY, INC.

INDUSTRIAL DOORS



Cutaway showing mass of door and detail of construction.

ALSTEEL FIRE DOORS

EFFICIENT FIRE PROTECTION—The corrugated steel sheets, one vertical and the other horizontal, create air spaces between the corrugations; and additionally, the asbestos liner further minimizes heat radiation and flame penetration. The ALSTEEL-DOR, therefore, affords a lifetime of fire protection.

ECONOMICAL—SAVES ON INSURANCE—The cost of the ALSTEEL-DOR is initially less; besides, it returns its initial investment because it needs no replacement, and maintenance is negligible. Furthermore, the insurance companies recognize the ALSTEEL-DOR as an efficient fire protection for which they reduce the insurance premium, resulting in a saving to the user.

Every door is engineered to suit individual conditions. Large doors are made heavier in their component members and are adequately reinforced.

HARDWARE AND PAINTING—ALSTEEL-DORS come complete with all necessary Underwriters' labeled hardware, automatic closing devices and fuse links. Hardware is not applied to the door by us. It is more suitably applied when the door is being installed. Doors are painted in accordance with the Underwriters' specifications.

ERECTION IS SIMPLY ACCOMPLISHED—ALSTEEL-DOR installation labor costs are less because the ALSTEEL-DOR is lighter in weight, is easier to handle and set up.

INDUSTRIAL OR COMMERCIAL USE—The ALSTEEL-DOR is very suitable as a service door to close openings in any industrial or commercial building.

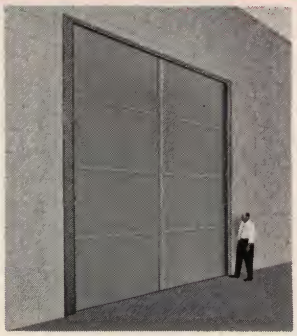
RESULT—The ALSTEEL-DOR is an indestructible fire door. Its corners remain in square. The sheet mass resists impact. The entire construction is fireproof. Its appearance is very pleasing.

UNDERWRITERS' LABEL

Underwriters' Laboratories, Inc.
INSPECTED
FIRE DOOR FOR OPENING IN FIRE WALL
No. _____

CLASS "A" LABELED — UL and FM

ST. LOUIS FIRE DOOR CO., INC.
408 WITHERS STREET
ST. LOUIS 7, MISSOURI



CANOPY

St. Louis manufactures a single type of canopy door. It is a finely built, compact unit that provides excellent medium duty service for openings up to 20 feet wide and 16 feet high. Either tubular or flush double sheet steel panels are available. Used frequently for railroad or truck entrances on piers or warehouses. Similar to overhead, these doors have numerous advantages, such as the minimum projection inside building prevents interference with lights, pipes, etc. on ceiling. Most of door projects outside of building, providing a protective weather canopy, which gives additional working area both inside and out. With this protection, door can remain open during rain.

OVERHEAD

The inclusion of an Overhead door suitable for Industrial use in its regular door categories further shows that St. Louis supplies one of the largest and most complete line of Industrial doors available anywhere. Overhead doors are very economical to buy, but for the majority of Industrial applications other type doors shown here are better and last much longer. Designed for industrial use, the St. Louis Overhead door is made of small steel sections and is adequately reinforced. It will take heavy abuse compared to most of those made for commercial uses.

TURNOVER

St. Louis' uniquely designed two section Turnover door is similar to the Overhead door but overcomes many of its disadvantages in industrial use. Built in 2 sections, its initial movement and its full open position are the same as Overhead. These doors can be made for openings to 30 feet wide and 22 feet high. It has the following advantages over Overhead: There are 2 sections so each can be made heavier and stronger, and when open, door projects into building only half as much. Less ceiling support is required, counterweighting is simpler, operation easier, and mechanism lasts longer under frequent use.

VERTICAL LIFT

These are single section vertical slide doors that slide straight up. Ample head room is needed to accommodate entire door height. St. Louis is particularly noted for the wide range of these doors they manufacture. In addition to the regular sturdy Industrial doors, a light construction, light duty door using fabricated panels is available. Light construction, sectional panels can be made for openings to 15 feet wide. Light construction with tubular steel panels can be made for opening to 25 feet wide. Either counterweights or torsion springs can be furnished for counterbalancing on both the light weight and the regular heavier Industrial doors.

TELESCOPING

Telescoping doors are widely used because they have many advantages. Similar to vertical lift, they are made in 2, 3, or 4 sections, depending on available head room. Sections telescope when door opens, and they all reach the full open position at the same time. They are used where there are clearance and headroom limitations, yet headroom is still enough to handle the door sections. They are excellent when wide unobstructed entrances are wanted, and on high openings, they open much faster. It is easy to make door panels heavier, permitting stronger sturdier, doors. Mechanism is very simple resulting in minimum of maintenance problems.

HANGAR DOORS

SCOTT A.F. BASE, BELLEVILLE, ILLINOIS

Many hangars today are using economical St. Louis doors. Doors consist of horizontal sliding sections, and are of bottom bearing construction with Industrial Rails at bottom. There is only a guide at the top to hold the door in vertical position. This type requires much less maintenance over the years than canopy type construction. They also do not require any heavy support structures, thereby cutting building costs. Thirty-three feet is the maximum height available. Width is not restricted because additional sections can be added.

HORIZONTAL SLIDING

This type door is used more than any other kind for industrial operations. St. Louis manufactures one of the most varied line of slide doors for Industrial and Commercial use in the country. Most combinations of double and single section doors are available, along with numerous special features and designs. Panels can be of sheet steel, insulated steel, tubular steel or metal clad construction. Vision lights, sash, or pass doors may be designed. A complete line of automatic controls has been made to fit all doors. Our engineers know how to design the most economical installations to suit all requirements.

SWINGING

The use of swing doors for industrial application has been limited. St. Louis doors are especially used where a more than average substantial exterior or interior door is desired. They require no side clearance or head room, but can require that considerable floor space be kept clear. St. Louis is one of the few companies providing motor operated swing doors. We specialize in custom design to handle individual conditions. Doors are sold as individual units, but it is preferable to get them with fitted St. Louis pressed steel, structural, or wood metal covered frames. Accordion doors are also manufactured.

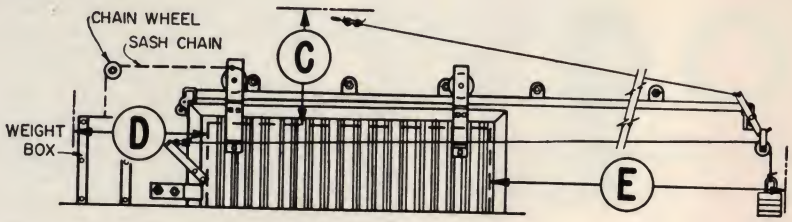
• SEE FREIGHT ELEVATOR and DUMBWAITER DOOR ON PAGE 4

ST. LOUIS

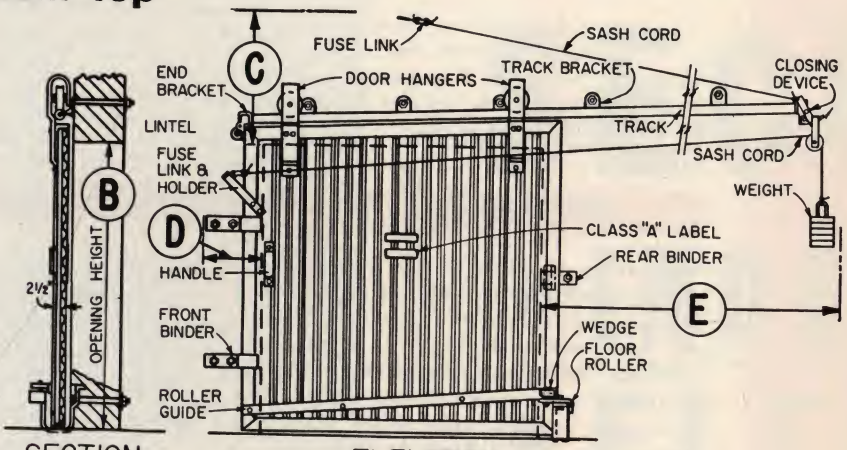
SLIDING & SWINGING AUTOMATIC CLOSING ALSTEEL FIRE DOORS

SINGLE SLIDING DOORS

straight top

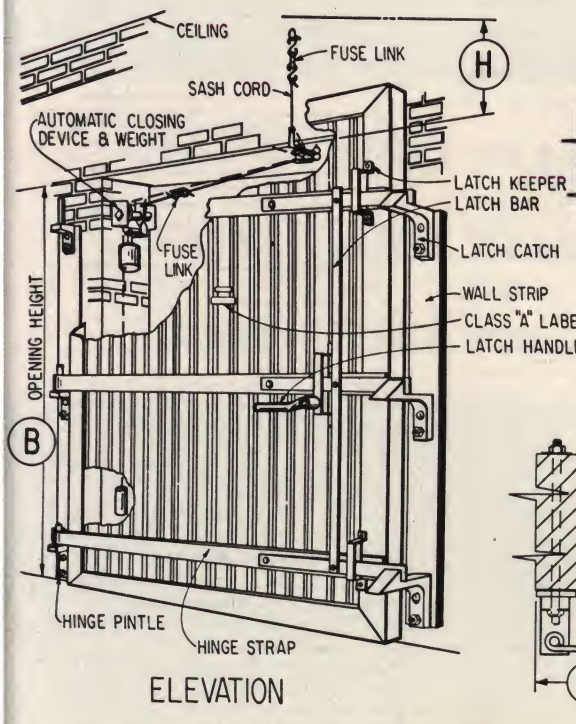


slant top

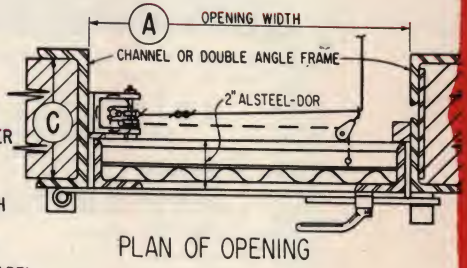


SINGLE SWINGING DOORS

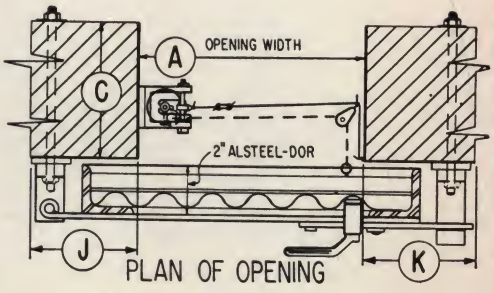
lap



flush



lap



SPACE REQUIREMENTS FOR SLIDING DOORS

		A OPENING WIDTH	B OPENING HEIGHT
		STRAIGHT	SLANT
C	SINGLE	1'-3"	1'-3½" plus 1½" for each foot of opening width
	PAIRS	1'-3"	1'-3½" plus ¾" for each foot of opening width
D	SINGLE	1'-10" If less advise	1'-2" Std. 4" Min.
	PAIRS	One half opening width plus 1'-7"	One half opening width plus 1'-0"
E	SINGLE	Opening width plus 1'-4"	Opening width plus 1'-4"
	PAIRS	One half opening width plus 1'-7"	One half opening width plus 1'-0"

SPACE REQUIREMENTS FOR SWINGING DOORS

A	Opening Width	
B	Opening Height	
H	5" Min.	Lap Type Single and Pairs Only
J	7" Min.	
K	7" Min.	

SUPPLY THIS DATA

All data based on facing side of wall on which door is to be mounted. How many openings? Are walls existing? (If any plans, give openings or door marks shown.)

- Opening width dimensions
- Opening height dimensions
- Wall thickness
- Wall construction
- Floor construction
- Unobstructed space above lintel? (On slide doors, need for entire door travel)

For slide doors also give unobstructed space beyond both left and right door jamb.

Select desired door arrangement as shown on back page.

Sketch special conditions. Combination of slide and swing may be used on the same opening.

ST. LOUIS

FIRE DOOR COMPANY, INC.

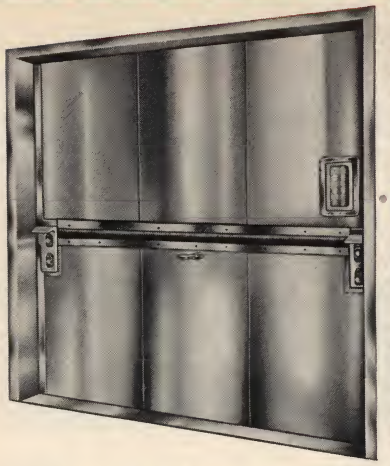
"St. Louis" has been a well-known name in the door industry for several decades. Important door installations have been made in every kind of building from coast to coast. Since 1902 a large variety of Industrial Fire, Freight Elevator and Dumbwaiter Doors have been manufactured. St. Louis engineers have specially designed equipment to meet all kinds of special problems. Maximum fire protection at lowest cost was given users all over the country, when St. Louis developed the "Alsteel" Fire Doors. These economical fire doors with corrugated exteriors and asbestos cores bear the top-rated Class A Underwriters Laboratories Label.

Many years of experience has given St. Louis the background to design and furnish the best construction for both the normal and the unusual conditions.

REPRESENTATIVES

Akron, Ohio—700 Thayer St.	FRanklin	6-9719
Albany, N. Y.—377 Wellington Rd., Delmar		9-4417
Albuquerque, N. M.—718 S. Calisle Blvd., S.E.		5-1824
Alexandria, La.—140 Wheelock		3-7346
Atlanta, Ga.—P.O. Box 7446, Station C	TRinity	4-2464
Billings, Montana—513 North 31st St.		9-1817
Birmingham, Ala.—716 - 8th Court West	ALpin	1-4533
Boston, Mass.—30 Factory, Everett 49, Mass.	EV.	7-7272
(also serves Conn., Maine, New Hampshire, R. I., & Vt.)		
Butfalo, N. Y.—175 Great Arrow Ave.	BEdford	2362
Charlotte, N. C.—510 W. Fourth St.	EDison	3-5820
Chattanooga, Tenn.—2846 Calhoun Ave.	MAdison	4-3322
Chicago, Ill.—230 N. Canal St.	FRanklin	2-2976
Cleveland, Ohio—1900 Euclid Ave.	CHerry	1-6668
Dallas, Texas—809 Wilson Bldg.	RIverview	2-2306
Davenport, Iowa—P.O. Box 816		2-6294
Denver, Colo.—1863 Wazee St.	Amherst	6-2475
(also serves Wyoming)		
El Paso, Texas—1600 E. Missouri Ave.	KEystone	2-4941
Fort Smith, Arkansas—423 North 10th St.		2-4449
Fort Wayne, Ind.—2920 Engle Rd.	HArrison	4242
Grand Rapids, Mich.—520 Gladstone, S.E.	GL.	2-4808
Harrisburg, Pa.—310 S. 10th St.	RE.	7-4558
Houston, Texas—2423 Dunstan Rd.		3-2511
Hutchinson, Kansas—528 S. Main St.	MOhawk	3-9111
Indianapolis, Ind.—3353 Central Ave.	WAlnut	4-6263
Jackson, Miss.—182 N. Gallatin St.	FLeetwood	3-8381
Kansas City, Mo.—2826 Main St.	WEstport	1-0092
Knoxville, Tenn.—P.O. Box 2084		5-4997
Lafayette, La.—120 Vine St.	CE.	4-7594
Lexington, Ky.—234 North Upper		5-2984
Los Angeles, Calif.—Box 679, N. Hollywood	PO.	4-7016
Louisville, Ky.—1044 E. Chestnut St.	JUniper	7-8821
Lubbock, Texas—7th Avenue & K	POrter	2-2252
Mattoon, Ill.—3112 Prairie Ave.	ADams	5-5066
Miami, Fla.—1417 Palancia, Coral Gables	MO.	7-8392
Minneapolis, Minn.—2409 Riverside Ave.	FEderal	8-2972
Mobile, Ala.—2504 Old Shell Rd.	GReenwood	9-4581
(also serves Mississippi)		
Murphysboro, Ill.—401 S. 17th St.		283
New Orleans, La.—816 Howard Ave.	MAgnolia	1910
Okla. City, Okla.—20 N.E. 27th St.	JAckson	8-6365
Omaha, Nebr.—915 S. 15th St.	ATlantic	5160
Orlando, Fla.—38 E. Yale		4-2060
Peoria, Ill.—100 Block MacArthur Highway		3-8547
Phoenix, Ariz.—1040 E. Camelback Rd.	CRestwood	4-3555
Pittsburgh, Pa.—550 McNeilly Rd.	LEhigh	1-3545
Portland, Ore.—2221 N. Albina Ave.	ATlantic	4-2133
Rapid City, S. Dak.—P.O. Box 1486		5932
Richmond, Va.—403 E. Franklin St.		3-2827
St. Petersburg, Fla.—P.O. Box 10969	NOrth	5-4613
Salina, Kansas—128 South 5th	TAylor	7-6230
Salt Lake City, Utah—963 E. 33rd South	HUnter	5-9251
(also serves Idaho, Nevada & Wyoming)		
San Antonio, Tex.—Box 8356, Laurel Hgts. Sta.	PE.	5-5247
San Francisco, Calif.—325 Fifth St.	SUtter	1-1100
Shreveport, La.—103 E. 60th St.		7-6776
South Bend, Ind.—1612 Lincoln Way West	CEntral	2-8245
Spokane, Wash.—P.O. Box 167	KEystone	1565
Springfield, Mo.—1616 West Phelps		4-1801
Tampa, Fla.—P.O. Box 8006		99-2043
Terre Haute, Ind.—P.O. Box 127	LIncoln	8188
Toledo, Ohio—4070 Detroit Ave.	KIngswood	5454
Tulsa, Okla.—4107A E. 11th St.	WEbster	2-2355
Utica, N. Y.—728 Broad St.		
Waco, Texas—P.O. Box 7368, Triangle Sta.		3-6851
Washington, D. C.—2019 Bunker Hill Rd., N.E.		
(also serves Maryland)	LAwrence	6-2338
Watertown, N. Y.—P.O. Box 273		2875
Wauwatosa, Wisc.—7700 W. State St.	BLuemound	8-7700
Wichita, Kansas—1250 N. Mosely	AMherst	7-5831

FREIGHT ELEVATOR DOORS & GATES



Fireproof, Bi-Parting, Truckable Freight Elevator Door

For over a half century St. Louis has been recognized as one of the major suppliers of Freight Elevator Doors and Gates. Elevator companies in every area have consistently used St. Louis doors. Doors are fireproofed and approved by the Underwriters and the Factory Mutual Laboratories. Doors are of Bi-Parting design and are engineered and constructed to indefinitely withstand even heavily loaded power trucks that pass over them. Doors with Metal Clad panels will withstand severe impact without distortion or damage. Special design is accorded entire door installation commensurate with elevator capacity and trucking load. Most doors and gates should be Motor Operated as they do return the added investment in actual dollar savings. Smooth operating "Anti-slam" operation is provided with enclosed St. Louis controls.

St. Louis furnishes their own improved line of Tamper Proof Electrical mechanical interlocks. Car gates are sturdily constructed of tubular framing amply reinforced, with expanded metal or sheet steel panels used according to particular conditions. Malleable iron gate shoes run in steel guides. St. Louis doors retain easy operation due to careful counterbalancing, completely adjustable shoes, and ample sizing of the double radial ball bearing sheaves.

DUMBWAITER AND CONVEYOR DOORS

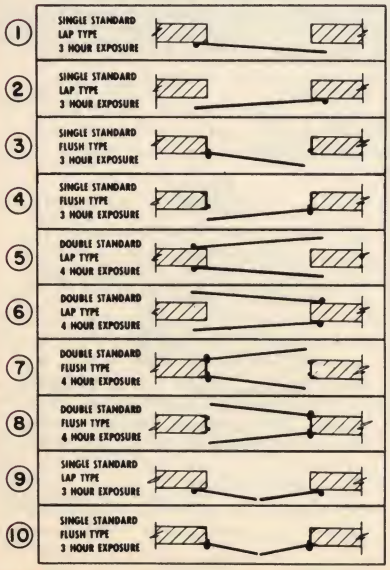
For many years St. Louis has manufactured a very complete line of bi-parting vertical sliding and swinging dumbwaiter door units for use with any type dumbwaiter trayveyor, subveyor and conveyor. The units are completely assembled at factory and consist of doors and integral frame trim and sill. Users should know when Underwriters Labeled doors should be used. St. Louis is one of the very few manufacturers that can furnish Underwriters Labeled equipment. Our many installations will show that these units make a fine appearance and are of superior quality. Finishes available are furniture steel, stainless, special paint, or a combination of these.

Stainless Combination Frame, Dumbwaiter Door

FIRE DOOR ARRANGEMENT DATA

The proper arrangement should be indicated when supplying order data. Arrow indicates direction door slides to open, and side of opening on which door is located.

SWINGING DOORS



SLIDING DOORS